

psi (unit)

@wikipedia

Oil Field unit for Pressure: 1 psi = 6894.76 Pa = 6.89476 kPa

In engineering practise when Pressure value is referenced in absolute terms, including the standard atmospheric pressure, the psi unit is then referred explicitly as psia: $P \text{ [psia]} = P \text{ [psi]}$.

This meant to avoid confusion when the Pressure value is referenced in relative terms as a surplus to the standard atmospheric pressure, and in this case the psi unit is referred as psig: $P \text{ [psig]} = P \text{ [psi]} - 14.6959$

See also

then

Natural Science / Engineering / Measurement / Unit

[psia] [psig]